

HÜDIG Irrigation Machine

Type Iromat III RED

Design:

- Options:

max. 550 m special PE pipe 110 x 12,3 mm - 10 mm - 8,2 mm
max. 510 m special PE pipe 120 x 12,3 mm - 11,0 mm - 9,0 mm
max. 400 m special PE pipe 125 x 11,4 mm - 9,3 mm
- Special gearbox (4 gears) with adjustable band brake
- Full casing
- P.T.O. shaft fast rewind
- Hydraulic support legs at the back
- Return stop at the pipe drum
- Mechanical safety shut-down against winding faults
- Low pressure – and total shut-down
- Fully galvanized water inlet from both sides (depending on shut-down option)
- Chassis with tandem pendulum axle
- Adjustable for 3 tracks: 1800, 2000 und 2250 mm
- Electronic speed control with pinion sensor,
 - Pre- and after irrigation 0-99 min
 - Different speeds 5-200 m/h (depending on water conditons) for each irrigation cycle possible
 - Display of irrigation time
 - Simple programming
- Sprinkler skid, with automatic lifting
- TWIN 160 ULTRA



Data and dimensions:

Length ¹⁾ mm	Width mm	Height mm	Track mm	Weight without PE pipe
6.250	2.890	3.780	1800/2000/2250	3.200 kg
Ground clearance mm			Tires	
465			260/70-15.3 AW 14PR	

PE pipe (mm)	Weight (kg/m)	Weight of PE pipe (kg)
∅ 110 x 12,3 - 10,0 - 8,2	2,89 without water	at 550 m length = 1.590
	9,49 with water	at 550 m length = 5.220
∅ 120 x 12,3 - 11,0 - 9,0	3,31 without water	at 510 m length = 1.688
	11,30 with water	at 510 m length = 5.765
∅ 125x11,4 - 9,3	3,5 without water	at 400 m length = 1.400
	12,25 with water	at 400 m length = 4.900

Sprinkler type	Unit	TWIN 160 ULTRA					
Nozzle diameter	mm	20	22	24	26	28	30
Nozzle pressure	bar	3,0					
Water consumption	m³/h	26,9	32,4	38,5	45,6	52,6	60,4
Sprinkler throw range (WW)	m	39,9	41,0	42,0	42,3	42,5	42,8
Irrigated area ²⁾	m	67,8	69,7	71,4	71,9	72,3	72,8
Nozzle pressure	bar	4,0					
Water consumption	m³/h	31,0	37,4	44,5	52,6	60,7	69,7
Sprinkler throw range (WW)	m	43,2	45,3	47,3	49,5	49,5	53,1
Irrigated area ²⁾	m	73,4	77,0	80,4	84,2	84,2	90,3
Nozzle pressure	bar	5,0					
Water consumption	m³/h	34,7	41,8	49,7	58,8	67,9	78,0
Sprinkler throw range (WW)	m	46,2	48,5	50,8	53,4	55,9	58,3
Irrigated area ²⁾	m	78,5	82,5	86,4	90,8	95,0	99,1

1) Length without sprinkler skid

2) Usable irrigated are = 2 x WW –15% for overlapping and loss due to wind

Subject to technical modifications and changes in scope of supply!

Optional equipment:

- Large-area sprinkler at choice
- Compressed air brake system incl. operating licence acc. to Road Traffic Act (StVZO)
- Pendulum locking of the tandem axle
- Lockable turntable
- Hydraulic drive for turntable
- Hydraulic support leg at the front
- Pipe guidance device (mechanical or fully hydraulic)
- Supply hose DN 100, 8m, 108 female/male,
Discharge hose DN 100, 5m, 108 female
- Water meter DN 100 non-calibrated or calibrated (on request)
- Lighting installation
- Solar panel for battery recharging
- Supply hose reel for 10 m flat hose DN 100
- GSM control
- Additional sprinkler for close range (electronically controlled)
- Wide tires

Applications:

- Agricultural areas, approx. 50 ha
- Vegetable cultivation
- Special crops
- Environmental protection (dust binding etc.)

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GmbH & Co. KG

Absenk- und Berechnungsanlagen

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